[GENETYX-MAC: Multiple Alignment]

Docket No.: 1254-0315PUS1

App No.: NEW Docket No.: 1254-0315PUS1
Inventor: Hisatoshi SHIDA et al.
Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS
VECTOR
NEW SHEET Sheet 1 of 13 Sheet 1 of 13

App No.: NEW Docket No.: 1254-0315PUS1
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Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS
VECTOR
NEW SHEET Sheet 2 of 13

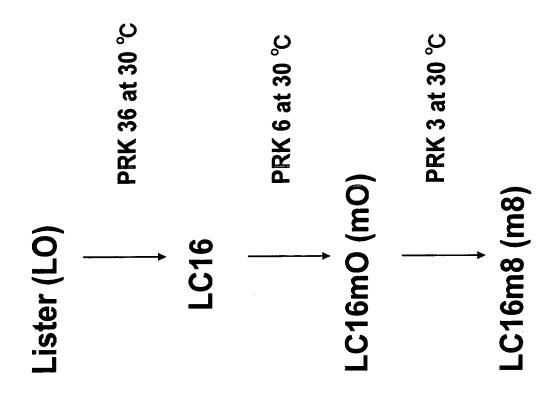
Sheet 2 of 13

LS 100 100 100	ST 200 ∴ 200 ∴ 200 ∴ 200	/LV 300 :: 300 :: 300	317 317 317 317
1 MKT I SVVTLLCVLPAVVYSTGTVPTMNAKL TSTET SFNDKQKVTFT CDOGYHSL DPNAVCETDKWKYENPCKKMGTVSDYVSEL YDKPL YENNSTMTLS a 1 a 1 *******************************	101 CNGETKYFRCEHKNGNTSWNDTVTCPNAECQPLQLEHGSCQPVKEKYSFGEYMTINCDVGYEVIGASYISCTANSWNVIPSCQGKCDMPSLSNGLISGST a 101 ***********************************	201 FSIGGVIHLSCKSGFTLTGSPSSTGIDGKWNPILPTCVRSNEKFDPVDDGPDDETDLSKLSKDVVQYEQEIESLEATYHIIIVALTIMGVIFLISVIVLV  a 201  ***********************************	301 CSCDKNNDQYKFHKLLP  a 301
B5R/m0. aa B5R/m8R1. aa B5R/m8R2. aa B5R/m8R3. aa	B5R/m0. aa B5R/m8R1. aa B5R/m8R2. aa B5R/m8R3. aa	B5R/m0. aa B5R/m8R1. aa B5R/m8R2. aa B5R/m8R3. aa	B5R/m0. aa B5R/m8R1. aa B5R/m8R2. aa B5R/m8R3. aa



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VECTOR
NEW SHEET
Docket No.: 1254-0315PUS
VACCINE VIRUS AND VACCINIA VIRUS
VECTOR
Sheet 3 of 13

Sheet 3 of 13



App No.: NEW Docket No.: 1254-0315PUS\*
Inventor: Hisatoshi SHIDA et al.
Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS
VECTOR
NEW SHEET Sheet 4 of 13 Docket No.: 1254-0315PUS1

Sheet 4 of 13

	Lister	LC16mO	LC16m8
	Weak	Strong	Strong
Pock size	Large	Medium	Small
Neurotoxicity	Moderate	Very low	Very low
Property of proliferating in skin	Moderate	Moderate	Weak
Antibody production	Moderate	Strong	Moderate

App No.: NEW Docket No.: 1254-0315PUS Inventor: Hisatoshi SHIDA et al.

Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS VECTOR

NEW SHEET Sheet 5 of 13 Sheet 5 of 13

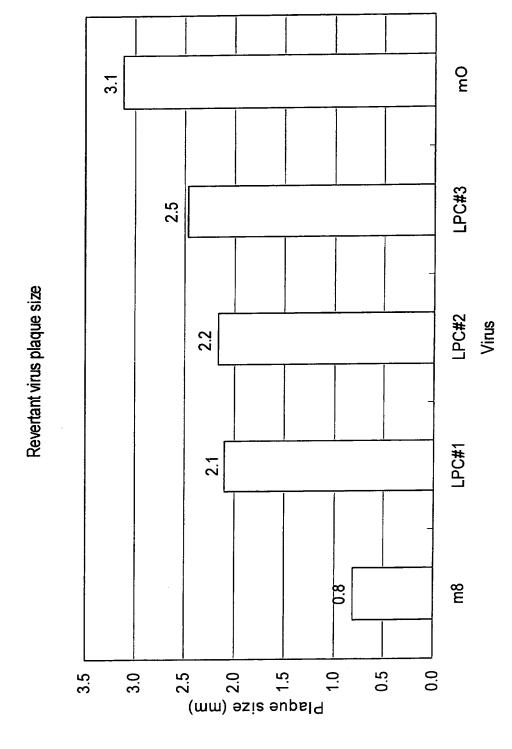


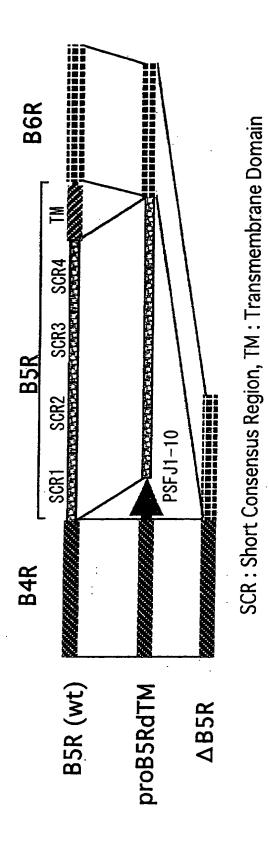
Fig. 5

Inventor: Hisatoshi SHIDA et al.

Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS

VECTOR NEW SHEET

Sheet 6 of 13



App No.: NEW Docket No.: 1254-0315PUS Inventor: Hisatoshi SHIDA et al.

Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS VECTOR Docket No.: 1254-0315PUS1

**NEW SHEET** 

Sheet 7 of 13

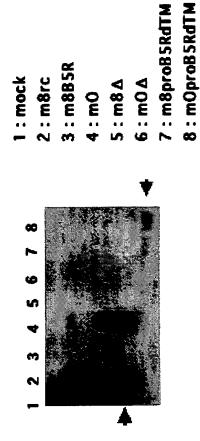


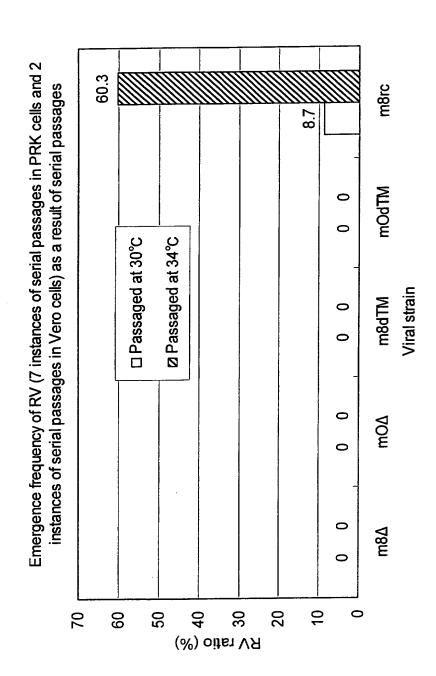
Fig. 7a

. mOdTM S: Culture supernatant fraction C: Cell fraction

App No.: NEW
Inventor: Hisatoshi SHIDA et al.
Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS
VECTOR
NEW SHEET

**NEW SHEET** 

Sheet 8 of 13

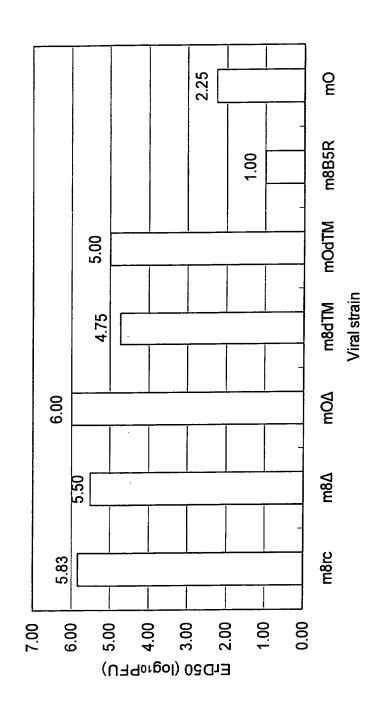


App No.: NEW Docket No.: 1254-0315PUS Inventor: Hisatoshi SHIDA et al. Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS Docket No.: 1254-0315PUS1

VECTOR NEW SHEET

Sheet 9 of 13

Property of proliferating in skin in rabbit (ErD50)



Pathogenicity in SCID mice (body weight loss) 1

App No.: NEW

Docket No.: 1254-0315PUS1 Inventor: Hisatoshi SHIDA et al.

Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS VECTOR

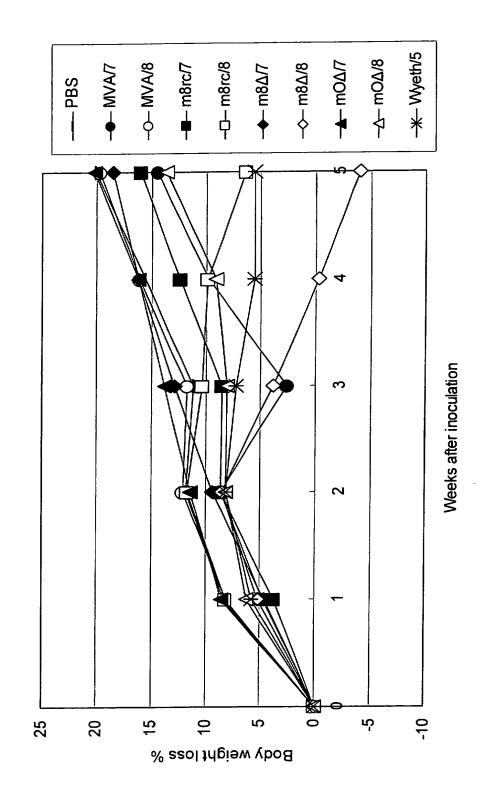
NEW SHEET

Docket No.: 1254-0315PUS

NEV SHEET Docket No.: 1254-0315PUS

Sheet 10 of 11

Sheet 10 of 13



10/13

App No.: NEW Docket No.: 1254-0315PUS Inventor: Hisatoshi SHIDA et al.
Title: HIGHLY SAFE SMALLPOX VACCINE VIRUS AND VACCINIA VIRUS

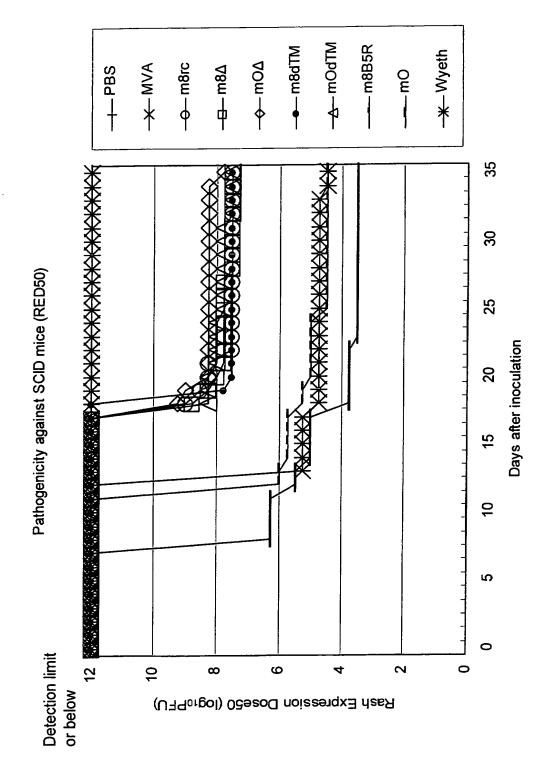
VECTOR NEW SHEET

Sheet 11 of 13

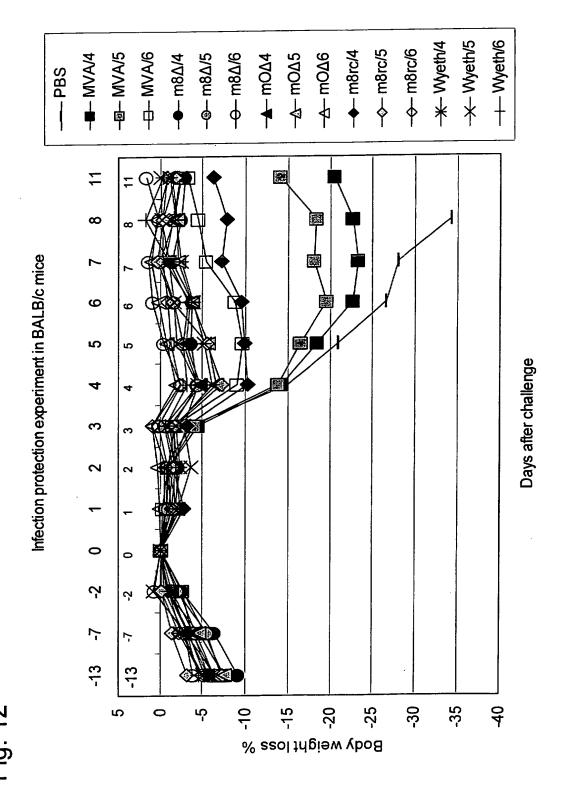
Docket No.: 1254-0315PUS1

→ mOdTM/8 A-m8B5R/6 r m8B5R/5 \_**=** m8dTM/7 9/0m-o-PBS Pathogenicity in SCID mice (body weight loss) 2 Weeks after inoculation 8 seoly weight loss % ⊖ ⊖ ⊖ 10 -20 -30 4 30 20

11/13



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VECTOR
NEW SHEET Sheet 13 of 13



13/13